EXPRESS MAIL CERTIFICATE EV 265 904 181 US

contract with an agency of the United States Government.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re	Application of: EGNOR, Dianne E. et al	Group Art Unit:	
Serial	No.	Examiner:	5. 5.
Filed:	HEREIN	Atty. Dkt. No: D4661-US	00746
For:	PIPELINED TURBO MULTIUSER DE	ETECTION	
To:	Mail Stop Patent Application Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450	24222 PATENT TRADEMARK OFFICE	
with the	FICATE OF MAILING 37 CFR 1.10: I certify that the U.S. Postal Service with sufficient postage as EXPRI Stop Patent Application, Commissioner for Patents, Postage 1.10: I certify that the Expression of Patents	ESS MAIL POST OFFICE TO ADDRESS D Box 1450, Alexandria, VA22313-1450.	ne below date EE addressed
Date:	09/10/2003 [/De	Websa Q. Drengel bra A. Stengel or [] Neil F. Malonoy, Reg.	No. 42,833
Comn	nissioner: <u>LETTER OF TR</u> A	ANSMITTAL	
	Submitted herewith is a application for Uni	ted States patent consisting of1_	page Fee
Trans	mittal form PTO/SB/17 to cover filing fee, _	1 page Patent Application Biblio	graphic
Data S	Sheet, 31 pages of specification and claim	ns, 5 sheets of drawings, 2 p	age of
declar	ation and power of attorney.		
[] [X]	(37 CFR 1.9(f) & 1.27(c)) Small Entity status (35 U.S.C. 122(b)(2)(B)(i)) PTO form PTO/5 (37 CFR 1.84(J)) – Applicant requests FIG. patent application publication and patent. PCT application being filed concurrently	SB/35 re: Publication enclosed	ge of the
	The invention was not made by an agency of	f the United States Government nor u	ınder a

EXPRESS MAIL CERTIFICATE EV 265 904 181 US

Fee calculation table:

Fee calculation is based on 3 independent and 20 total claims	
37CFR1.16(a) Basic filing fee - Utility	\$750.00
37CFR1.16(b) Independent claims in excess of threex \$84.00 ea.	
37CFR1.16(c) Claims in excess of twentyx \$18.00 ea.	
37CFR1.21(h) Recordation of Assignment	\$
TOTAL DUE:	\$750.00

DEPOSIT ACCOUNT **190130** AUTHORIZATION – The Office is hereby authorized to charge the required fee, and any deficiency or credit any overpayment in the fees to the above deposit account, owned by BAE SYSTEMS Information and Electronic Systems Integration Inc. an authorized signator for which is Kevin M. Perkins, V.P. & Company Counsel, and for whom the undersigned are authorized agents.

Respectfully submitted,

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September 10, 2003

Date

PTO/SB/17 (01-03)
Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2003 Effective 01/01/2003. Patent fees are subject to annual revision. Applicant claims small entity status. See 37 CFR 1.27 Applicant claims small entity status. See 37 CFR 1.27 Art Unit TOTAL AMOUNT OF PAYMENT (\$) 750.00 METHOD OF PAYMENT (check all that apply) Total amount of Payment (check all that apply) Total amount of Payment (check all that apply) FEE CALCULATION (continued) Total amount of Payment (check all that apply)
Filing Date HEREIN First Named Inventor EGNOR, Dianne E. Examiner Name Applicant claims small entity status. See 37 CFR 1.27 TOTAL AMOUNT OF PAYMENT (\$) 750.00 METHOD OF PAYMENT (check all that apply) Check Credit card Money Order Other None Credit card Money Order Other None Credit y Small Entity Filing Date HEREIN First Named Inventor EGNOR, Dianne E. Examiner Name Art Unit Attorney Docket No. D4661-US FEE CALCULATION (continued)
Applicant claims small entity status. See 37 CFR 1.27 ## Applicant claims small entity status. See 37 CFR 1.27 ## Applicant claims small entity status. See 37 CFR 1.27 ## Art Unit ## TOTAL AMOUNT OF PAYMENT (\$) 750.00 ## METHOD OF PAYMENT (check all that apply) ## Check Credit card Money Order Other None Credit card Money Order Small Entity ## Applicant claims small entity status. See 37 CFR 1.27 ## Art Unit ## Attorney Docket No. D4661-US ## FEE CALCULATION (continued) ## Check Credit card Money Order None Credit card
Applicant claims small entity status. See 37 CFR 1.27 TOTAL AMOUNT OF PAYMENT (\$) 750.00 Attorney Docket No. D4661-US METHOD OF PAYMENT (check all that apply) FEE CALCULATION (continued) Check Credit card Money Order None Large Entity Small Entity
TOTAL AMOUNT OF PAYMENT (\$) 750.00 Attorney Docket No. D4661-US METHOD OF PAYMENT (check all that apply) FEE CALCULATION (continued) Check Credit card Money Order None Starge Entity Small Entity
METHOD OF PAYMENT (check all that apply) Check Credit card Money Order None Large Entity Small Entity
Check Credit card Money Other None 3. ADDITIONAL FEES Large Entity Small Entity
Large Entity Small Entity
Large Entity Small Entity
Denosit Code (\$) Code (\$) Fee Pee Fee Description Fee Pee Pee Fee Description Fee Pee Pee Fee Description Fee Pee Pee Pee Fee Description Fee Pee Pee Pee Pee Pee Pee Pee Pee Pee
Account Number 1051 130 2051 65 Surcharge - late filing fee or oath
Deposit Account BAE Systems 1052 50 2052 25 Surcharge - late provisional filing fee or cover sheet
Name 1053 130 1053 130 Non-English specification
Charge foo(s) indicated below Credit any overpayments 1812 2,520 1612 2,520 1611 Timing a request for 6x parts 1832 2,520
Charge any additional fee(s) during the pendency of this application 1804 920* Requesting publication of SIR prior to Examiner action
Charge fee(s) indicated below, except for the filing fee 1805 1,840* Requesting publication of SIR after Examiner action
FEE CALCILIATION 1251 110 2251 55 Extension for reply within first month
1. BASIC FILING FEE
Large Entity Small Entity
Fee Fee Fee Fee Description Fee Paid 1254 1,450 2254 725 Extension for reply within fourth month
1001 750 2001 375 Utility filing fee 750 1255 1,970 2255 985 Extension for reply within fifth month
1002 330 2002 165 Design filing fee 1401 320 2401 160 Notice of Appeal
1003 520 2003 260 Plant filing fee 1402 320 2402 160 Filing a brief in support of an appeal
1004 750 2004 375 Reissue filing fee 1403 280 2403 140 Request for oral hearing
1005 160 2005 80 Provisional filing fee 1451 1,510 1451 1,510 Petition to institute a public use proceeding 1452 110 2452 55 Petition to revive - unavoidable
SUBTOTAL (1) (\$) /50 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE 1501 1,300 2453 650 Petition to revive - unintentional 2501 650 Utility issue fee (or reissue)
Fee from Extra Claims below Fee Paid 1502 470 2502 235 Design issue fee
Total Claims20** = X = 1503 630 2503 315 Plant issue fee
Independent - 3** = X 1460 130 Petitions to the Commissioner
Multiple Dependent = 1807 50 1807 50 Processing fee under 37 CFR 1.17(q)
Large Entity Small Entity Small Entity 1806 180 1806 180 Submission of Information Disclosure Stmt
Fee Fee Code (\$) Fee Description 8021 40 8021 40 Recording each patent assignment per property (times number of properties)
1202 18 2202 9 Claims in excess of 20 1809 750 2809 375 Filling as understand rejection (27.07.07.07.07.07.07.07.07.07.07.07.07.07
1201 84 2201 42 Independent claims in excess of 3 (37 CFR 1.129(a)) 1203 280 2203 140 Multiple dependent claim, if not paid 1810 750 2810 375 For each additional invention to be examined (37 CFR 1.129(b))
1204 84 2204 42 ** Reissue independent claims over original patent 1801 750 2801 375 Request for Continued Examination (RCE)
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent 1802 900 Request for expedited examination of a design application
Other fee (specify)
SUBTOTAL (2) (\$) **or number previously paid, if greater; For Reissues, see above *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)
(Complete (if applicable)
SUBMITTED BY Name (Print/Type) Scott J. Asmus Registration No. (Attorney/Agent) 42,269 Telephone 603-886-6100

Signature

WARNING: Inf relation n this form may bec me public. Credit card information should not b included nymis f rm. Pr vide credit card information and authorization n PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.